CLAIMS

What is claimed is:

Subj3

1. A striping disk controller for a computer system wherein said computer system includes a CPU connected to a system bus and executes an operating system including a BIOS, said striping disk controller comprising:

an interface connected to said system bus and communicating with said BIOS;

5 first and second disk drives each having data separator electronics, data formatting electronics and head positioning electronics;

a striping controller connected between said first and second disk drives and said interface, said striping controller adapted to cause data being communicated between said system bus and said first and second drives to be written to and read from said first and second drives in

10 an interleaved form and substantially in parallel.

2. The system of claim 1 wherein said data being communicated between said system bus and said first and second drives is subdivided into a plurality of sequential blocks and said first drive is accessed for every other block of data and said second drive is accessed for the remaining blocks.

3. The system of claim 1 wherein said BIOS supplies a system request that includes a sector bit string, a head bit string, a track bit string and a driver bit and wherein said striping controller maps bits of said system request to a first system request data structure to be

supplied to said first disk drive and a second system request data structure to be supplied to said

5   second disk drive.

4. In a method of writing data onto two disk drives connected to a host computer

having an operating system, wherein said operating system generates a system request intended

for a single physical drive and wherein said request includes a sector request, a track request and

a head request, each said request includes a bit string having a predetermined number of bits, said

5   method including the steps of:

shifting the sector request bit string one bit to the right so that the least significant

bit is no longer associated with said sector request; and

using said right shifted least significant bit to select between a first and a second

physical drive.

Add #4

ADD D3

add C1

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